

Doc code :IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (10-08)

Approved for use through 11/30/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                        |                   |            |  |
|---|------------------------|-------------------|------------|--|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     |                   | 10700971   |  |
|   | Filing Date            |                   | 2003-11-04 |  |
|   | First Named Inventor   | Muthiah Manoharan |            |  |
|   | Art Unit               | 1635              |            |  |
|   | Examiner Name          | Sean McGarry      |            |  |
|   | Attorney Docket Number | ISIS-5782         |            |  |

**U.S.PATENTS**

| Examiner Initial* | Cite No | Patent Number | Kind Code <sup>1</sup> | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|---------------|------------------------|------------|---|--|
|                   | 1       | 6033910       | A                      | 2000-03-07 | Monia et al.                                    |  |

If you wish to add additional U.S. Patent citation information please click the Add button.

**U.S.PATENT APPLICATION PUBLICATIONS**

| Examiner Initial* | Cite No | Publication Number | Kind Code <sup>1</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|--------------------|------------------------|------------------|---|--|
|                   | 1       | 20040180351        | A1                     | 2004-09-16       | Giese et al.                                    |  |

If you wish to add additional U.S. Published Application citation information please click the Add button.

**FOREIGN PATENT DOCUMENTS**

| Examiner Initial* | Cite No | Foreign Document Number <sup>3</sup> | Country Code <sup>2</sup> j | Kind Code <sup>4</sup> | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T <sup>5</sup>           |
|-------------------|---------|--------------------------------------|-----------------------------|------------------------|------------------|---|--|--------------------------|
|                   | 1       |                                      |                             |                        |                  |   |  | <input type="checkbox"/> |

If you wish to add additional Foreign Patent Document citation information please click the Add button

**NON-PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>5</sup> |
|--------------------|---------|--|----------------|
|                    |         |  |                |

|   |                        |                   |
|---|------------------------|-------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>( Not for submission under 37 CFR 1.99) | Application Number     | 10700971          |
|   | Filing Date            | 2003-11-04        |
|   | First Named Inventor   | Muthiah Manoharan |
|   | Art Unit               | 1635              |
|   | Examiner Name          | Sean McGarry      |
|   | Attorney Docket Number | ISIS-5782         |

|   |   |                          |
|---|---|--------------------------|
| 1 | Leydier, C. et al., "4' -Thio-RNA: Synthesis of Mixed Base 4' -Thio-Oligoribonucleotides, Nuclease Resistance, and Base Pairing Properties with Complementary Single and Double Strand," Antisense Research and Development, 1995, 5, 167-174 | <input type="checkbox"/> |
|---|---|--------------------------|

If you wish to add additional non-patent literature document citation information please click the Add button

#### EXAMINER SIGNATURE

|                    |                |                 |            |
|--------------------|----------------|-----------------|------------|
| Examiner Signature | /Sean McGarry/ | Date Considered | 04/09/2009 |
|--------------------|----------------|-----------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.